

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

O I P E TRANSMITTAL FORM JAN 26 2005 (to be used for all correspondence after initial filing) PATENT & TRADEMARK OFFICE	Application Number	10/510,947	
	Filing Date	October 28, 2004	
	First Named Inventor	Wilson et al	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	6	Attorney Docket Number	UPN-02811USA

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1 pp. International Search Report 7-Documents
Remarks Customer No. 00270 Express Mail No. ER636323225US		

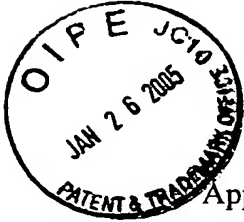
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	HOWSON AND HOWSON		
Signature	<i>Cathy A. Kodroff</i>		
Printed name	Cathy A. Kodroff		
Date	January 25, 2005	Reg. No.	33,980

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

BEST AVAILABLE COPY



UPN-O2811USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/510,947 Confirmation No.:

Applicant : Wilson et al

Filed : October 28, 2004

TC/A.U. :

Examiner :

Customer No. : 00270

Title : CHIMERIC EBOLA VIRUS ENVELOPES AND USES
THEREFOR

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant submits to the Examiner the attached Form PTO/SB/08A/B document listing and this paper pursuant to 37 CFR § 1.56 and § 1.97-1.98. Form PTO/SB/08A/B is attached and copies of the documents is enclosed herewith. This Information Disclosure Statement is submitted less than three months from the filing date of this application and before the receipt of a first Office Action on the merits. Therefore, no fees are believed due.

The Director is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees to our Deposit Account Number 08-3040.

Express Mail No. ER636323225US

REMARKS

Listed below is a previously filed, and co-pending, US Patent application. This application and the present application are commonly owned: According to the new rule, copies of published or issued patents are not to be submitted.

- 1) US Patent Application No. 10/257,960, filed October 25, 2002, now publication No. 2004-0033604-A1, published February 19, 2004
(This corresponds to International Publication No. WO 01/83730, dated August 11, 2001)


Listed below are documents cited in the International Search Report dated April 2, 2004 in the corresponding International Patent Publication No. WO/US03/092582, published November 13, 2003. A copy of the Report is enclosed, together with copies of the documents.

- 1) Kobinger et al, Nature Biotechnology, Vol. 19, pp. 225-230
- 2) Mackenzie et al, Molecular Therapy, Vol. 6, No. 3, pp. 349-358
- 3) Medina et al, Molecular Therapy, Vol. 8, No. 5, pp. 777-789
- 4) Ito et al, J, Virol. Vol. 73, No. 10, pp. 8907-8912
- 5) Watanabe et al, J. Virol. Vol. 74, No. 21, pp.10194-10201

The Examiner is respectfully requested to consider the enclosed document identified in this paper and in the attached Form PTO/SB/08A/B during the course of examination of this application.

Respectfully submitted,

HOWSON AND HOWSON
Attorneys for Applicant

By 
Cathy A. Rodroff
Registration No. 33,980
Spring House Corporate Center
Box 457
Spring House, PA 19477
(215) 540-9200

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/510,947
				Filing Date	October 28, 2004
				First Named Inventor	Wilson et al
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	UPN-02811USA

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A	US-2004-0033604-A1	02-19-2004	Kobinger et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	B	WO 01/83730 A2	08-11-2001	The Trustees of the University of Pennsylvania		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet **2** of **2**Attorney Docket
Number

UPN-O2811USA

Complete if Known

Application Number	10/510,947
Filing Date	October 28, 2004
First Named Inventor	Wilson et al
Group Art Unit	
Examiner Name	

NONPATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C	CHAI ET AL , A Novel Double-Pseudotyped Viral Vector for Gene Therapy, 7 th Annual Meeting of the American Society of GeneTherapy [June 2-6, 2004], Minneapolis, Minnesota, (e-Published May 2, 2004)	
	D	KOBINGER ET AL , Filovirus-Pseudotyped Lentiviral Vector Can Efficiently and Stably Transduce Airway Epithelia in Vivo, Nature Biotechnology, Vol. 19, pp. 225-230, (March 2001)	
	E	MCKENZIE ET AL , Efficient Transduction of Liver and Muscle After in Utero Injection of Lentiviral Vectors with Different Pseudotypes, Molecular Therapy, Vol. 6, No. 3, pp. 349-358, (September, 2002)	
	F	MEDINA ET AL , Lentiviral Vectors Pseudotyped with Minimal Filovirus Envelopes Increased Gene Transfer in Murine Lung, Molecular Therapy, Vol. 8, No. 5, (November 2003)	
	G	ITO ET AL , Mutational Analysis of the Putative Fusion Domain of Ebola Virus Glycoprotein, Journal of Virology, Vol. 73, No. 10, pp. 8907-8912, (October 1999)	
	H	WATANABE ET AL , Functional Importance of the Coiled-Coil of the Ebola Virus Glycoprotein, Journal of Virology, Vol. 74, No. 21, pp. 10194-10201, (November 2000)	

Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☒ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.